

What is claimed is:

1. A polyvinyl alcohol film wherein the film is obtained by casting on drum, and the variance in thickness along the TD direction of the film is $0.5 \mu\text{m}/\text{mm}$ or less, the thickness of the film is within the range of 20 to $150 \mu\text{m}$, and the width of the film is at least 2 m.
2. The polyvinyl alcohol film according to claim 1, wherein the variance in thickness along the TD direction of the film is a $0.28 \mu\text{m}/\text{mm}$ or less.
3. The polyvinyl alcohol film according to claim 1, wherein the thickness of the film is within the range of 40 to $120 \mu\text{m}$.
4. The polyvinyl alcohol film according to Claim 1 which is used for a polarization film.
5. A polarization film produced from the polyvinyl alcohol film for a polarization film of Claim 4.